Author: Righter, C. Arthur

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State College

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100 1  Righter, C. Arthur $qCharles Arthur
245 12 A planting study for the front campus, Pennsylvania State College
       $csubmitted by C. Arthur Righter.
260    $c1926.
300    1 v. (unpaged) $bill. $c29 cm.
500    Typescript, with folded architectural drawing and blueprints.
502    Thesis (B.S.)--Pennsylvania State College.
533    Microfilm $bUniversity Park, Pa. : $cPennsylvania State University
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A PLANTING STUDY
FOR THE
FRONT CAMPUS
PENNSYLVANIA STATE COLLEGE

A THESIS
FOR
THE DEGREE OF BACHELOR OF SCIENCE

SUBMITTED BY
C. ARTHUR RIGHTER

PENNSYLVANIA STATE COLLEGE
JUNE 1926

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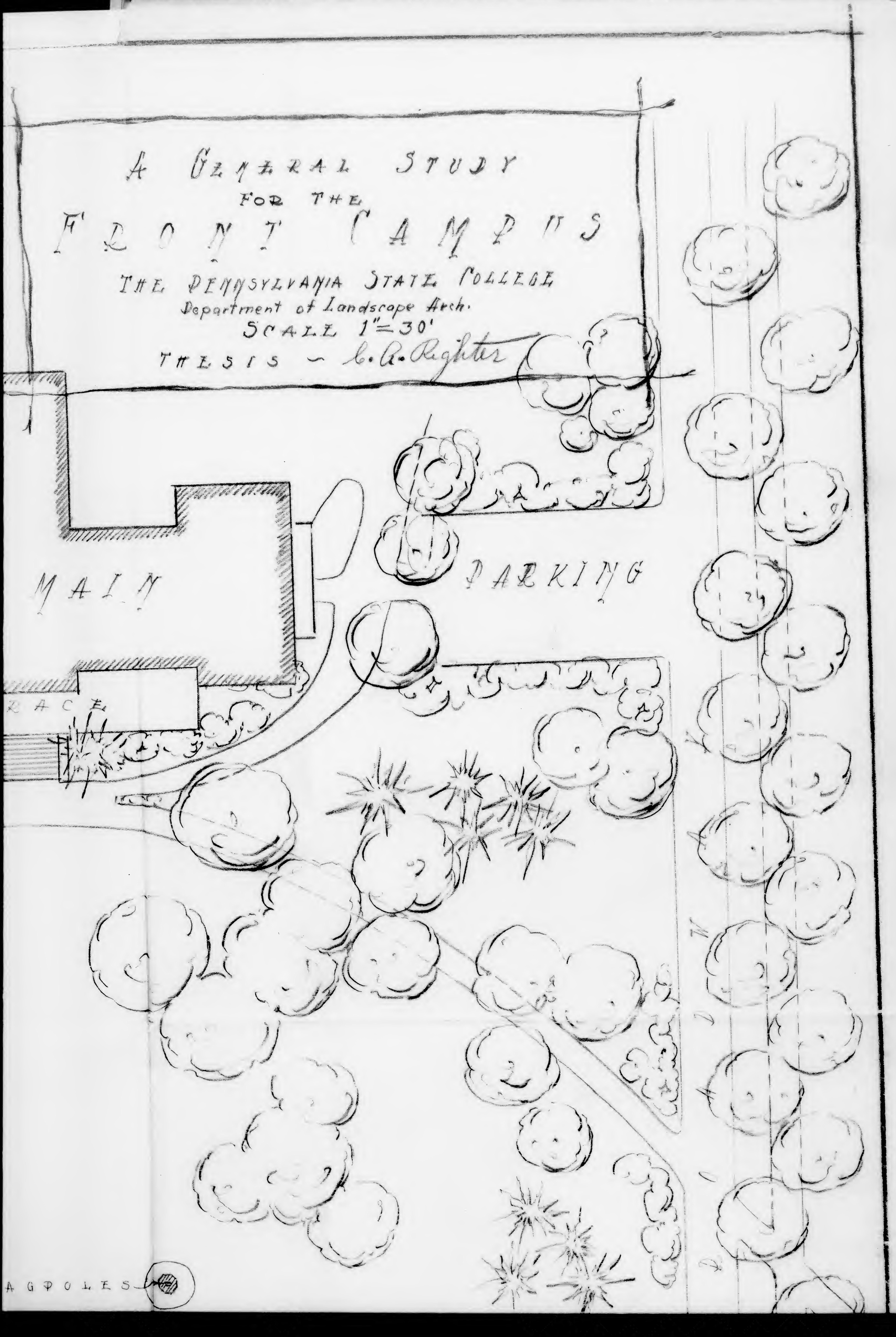
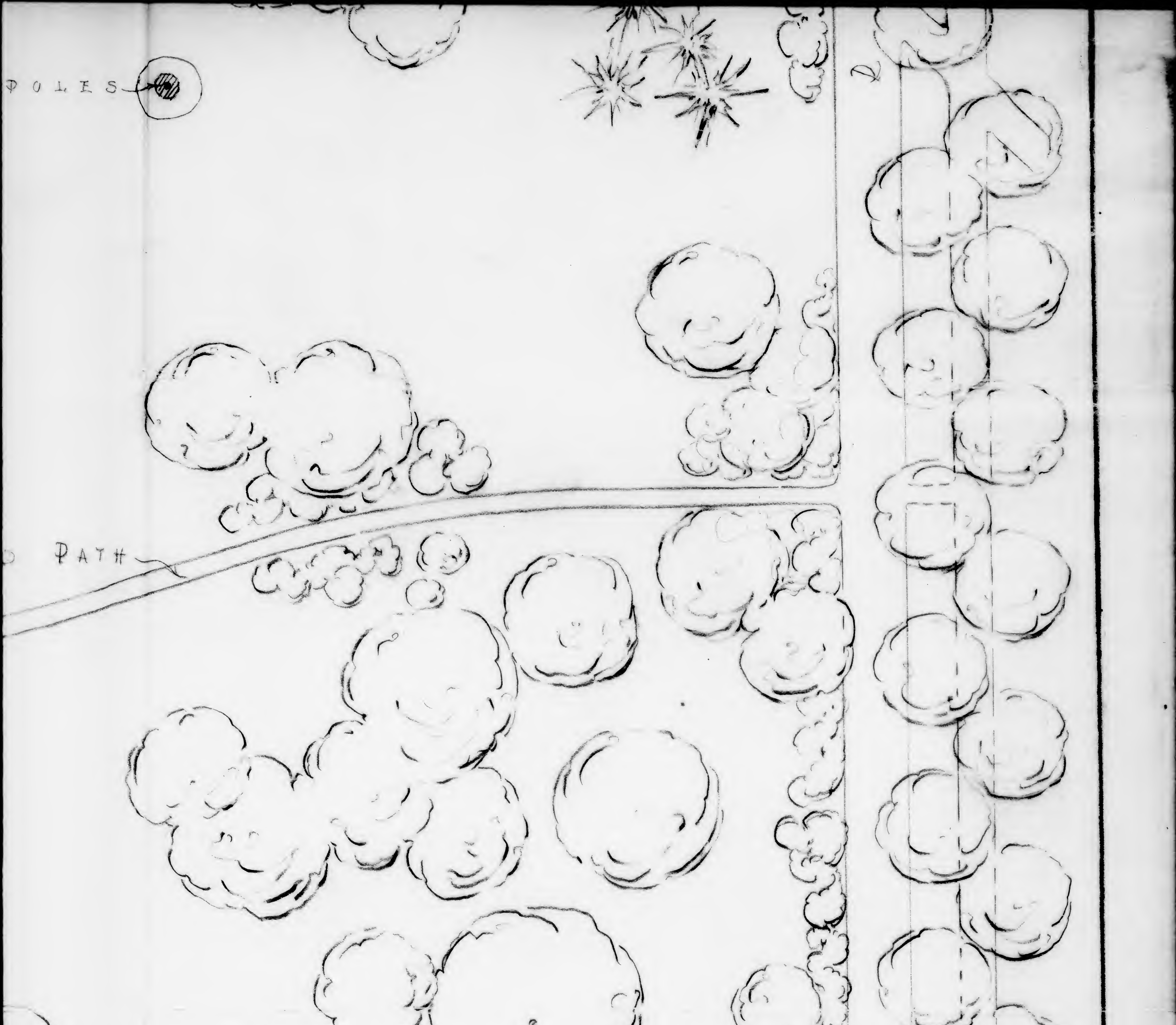
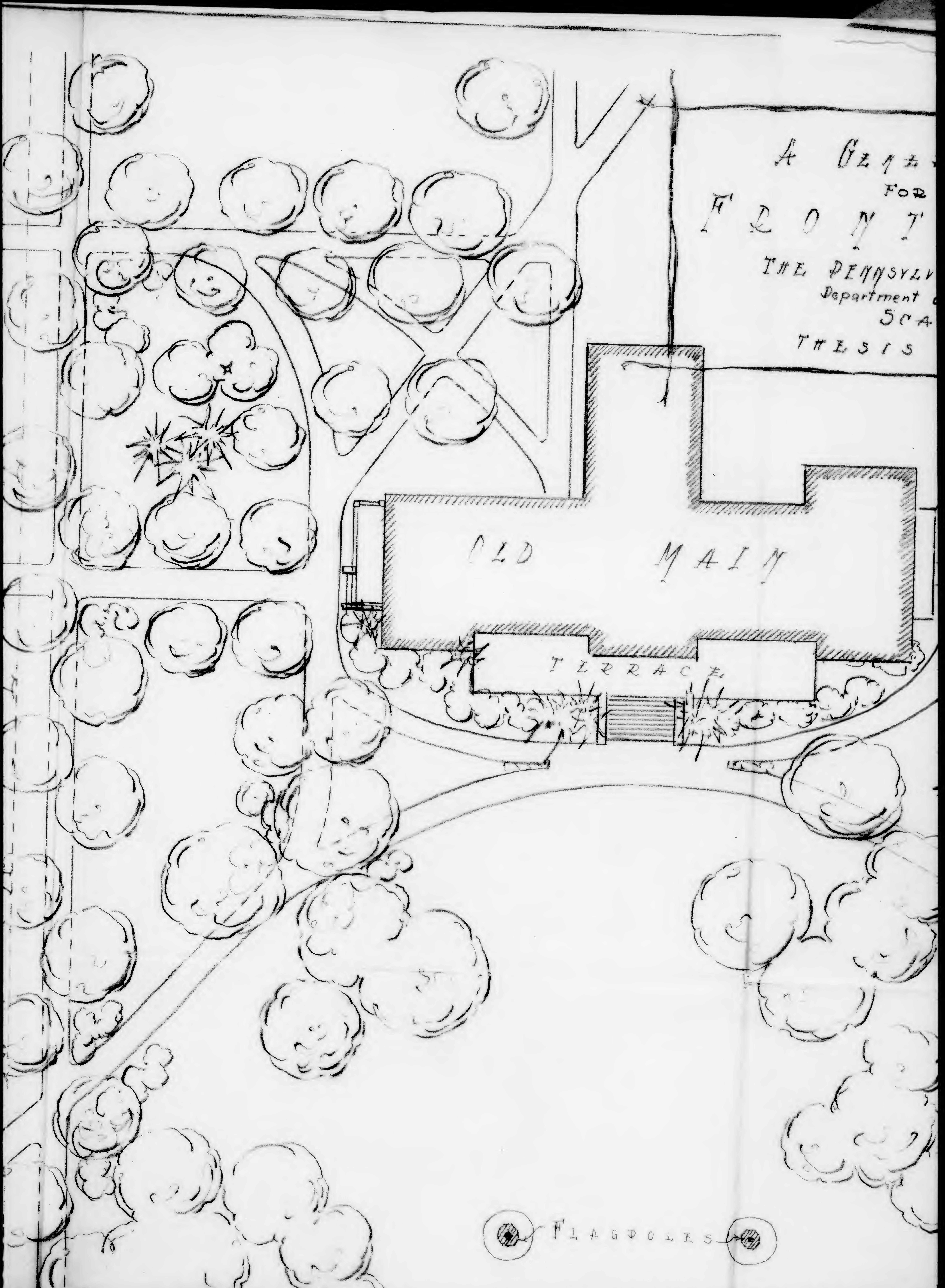
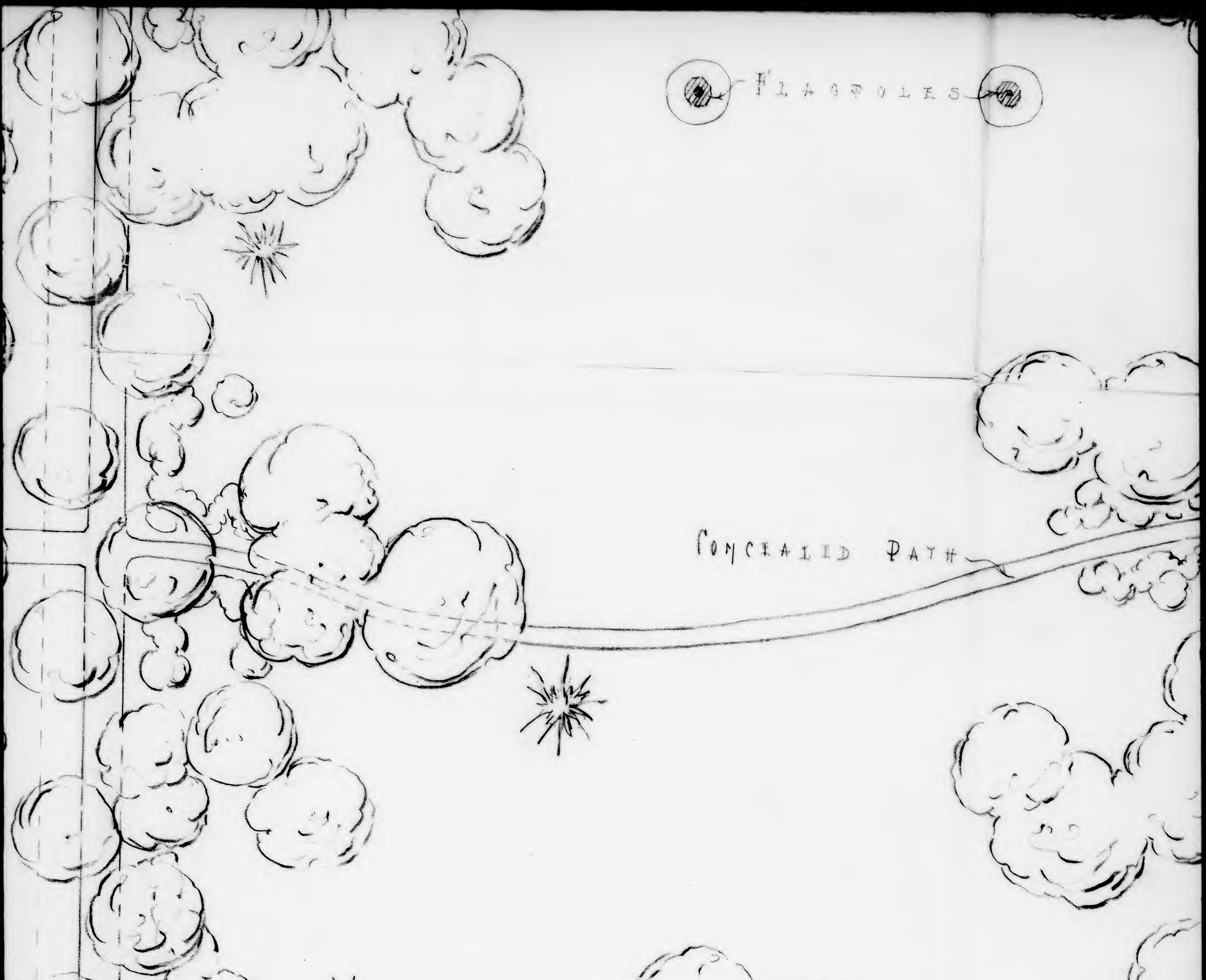
DEPARTMENT OF LANDSCAPE ART
Approved
Hilbert E. Dahl
June 1926
PENNSYLVANIA STATE COLLEGE

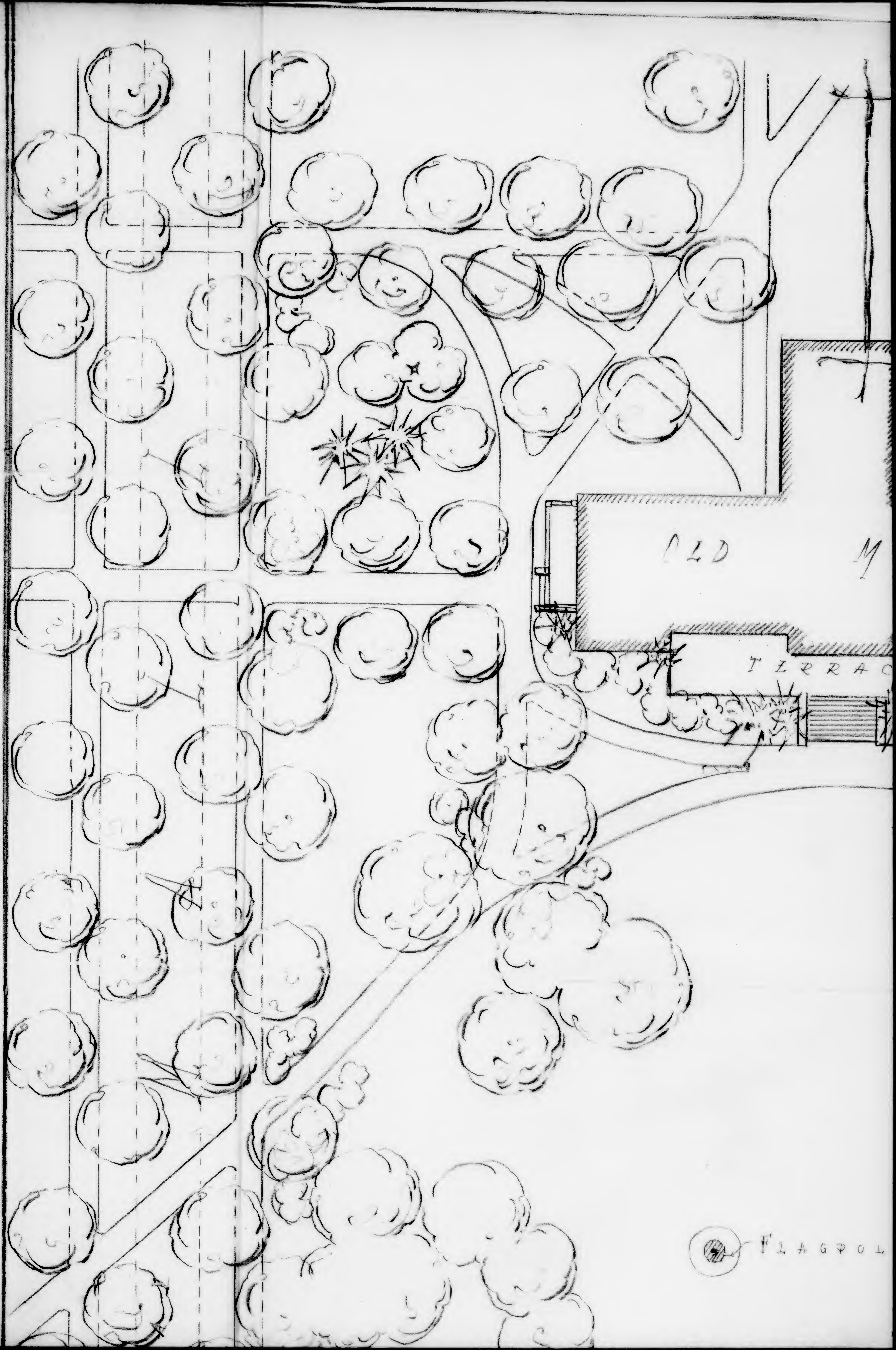


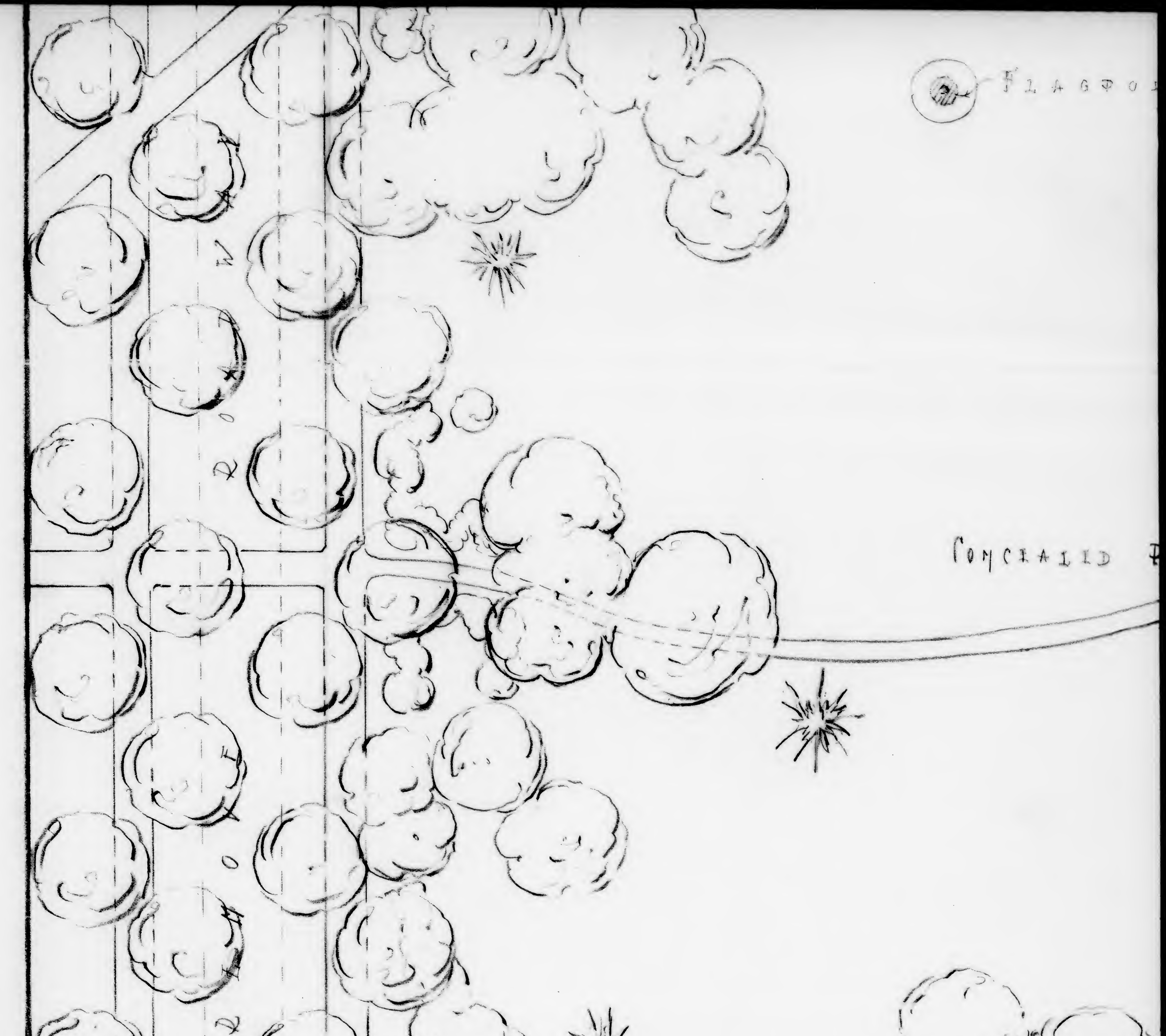
A GENERAL STUDY
FOR THE
FRONT CAMPUS
THE PENNSYLVANIA STATE COLLEGE
Department of Landscape Arch.
SCALE 1"=30'
THESIS – C. A. Righter


POLES
PATH
SEAT
W A L K
A V E N U E
D


A GENE
FOR
FRONT
THE PENNSYLV
Department
SCA
THESIS
OLD MAIN
TERRACE
FLAGPOLES


FLAGPOLES
CONCEALED PATH
SEAT
SIDEWALK
ANCE
COLLEGE AVE

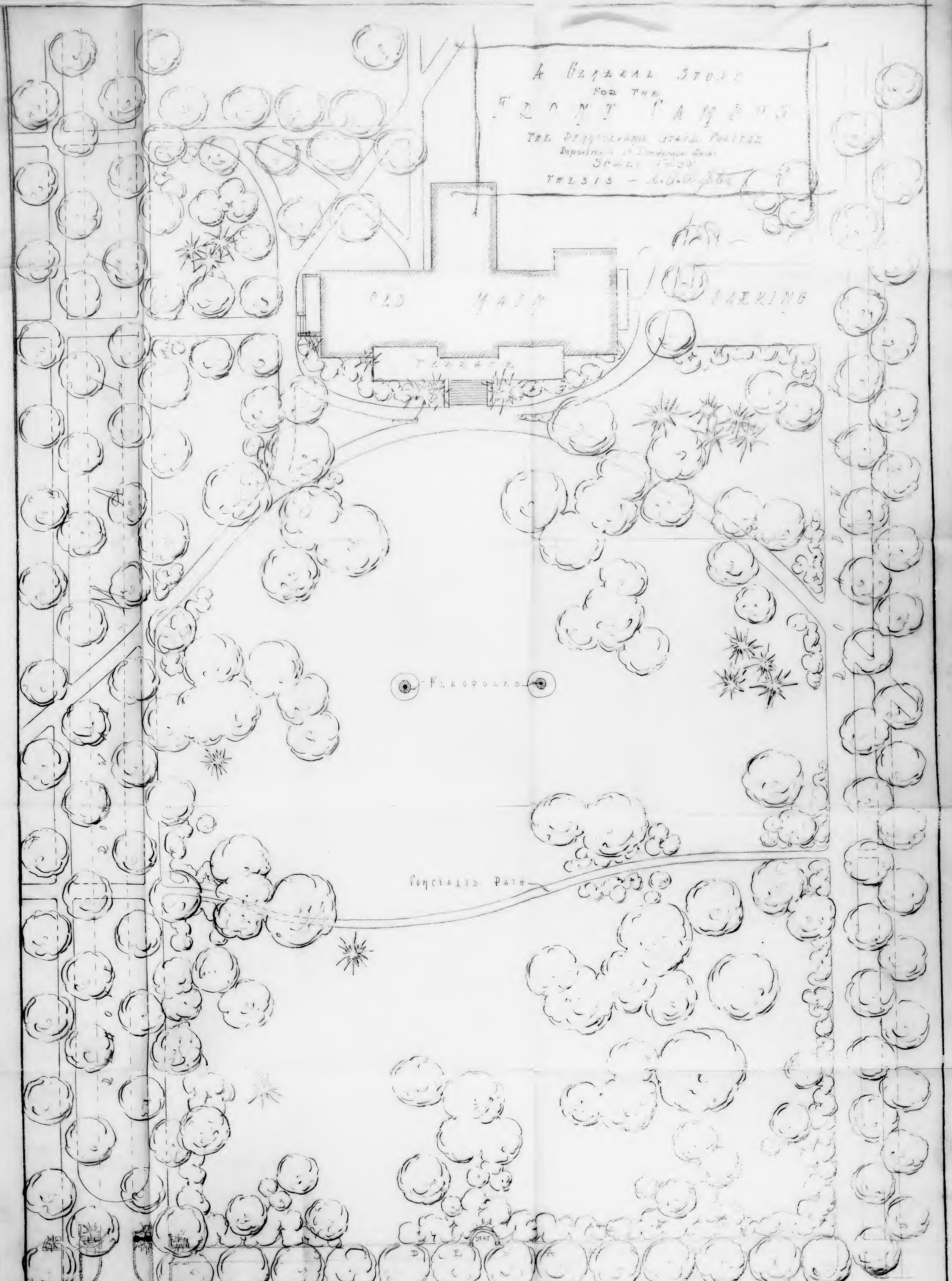

OLD M
TERRAC
FLAGPOL


FLAGPOL
CONCEALED
SEAT
D E
ENTRANCE
COLLEGE

REDUCTION

CHANGE

10 X TO 21 X



A GENERAL STUDY
FOR THE
FRONT CAMPUS
THE PENNSYLVANIA STATE COLLEGE
Department of Landscape Arch.
SCALE 1"=30'
THESIS —

THE FRONT
CAMPUS

C.A. RIGHTER

THESIS
L. ARCH. 13

THE FRONT CAMPUS.

The landscape planning of the front campus is vitally related to the impression many future students will receive in their short college years. With a consistent plan well developed and maintained, the impression cannot help be favorable and react to the strengthening of the moral of the school. All of the natural advantages are present in abundance in order to insure practically an ideal development.

My plan as suggested allows for the removal of the campus extension of Allen Street and substitutes a mall development using elms on both sides of the walks. This treatment would enable at least half of the existing elms to be used in the new design. and would help to tie each walk into the landscape. Each walk would be widened at least three feet in order to take care of the increased pedestrian traffic to the college buildings.

The concealed narrow walk leading from the New Mining to the Engineering builfings is urgently needed and could be made practically invisible from most points of approach. Plantings at either end would help in this respect, and the heavy planting at the rear of the Amphitheatre will aid in the connecting of the walk to the area. The walks to the west of the Old Main building have been simplified and the drive removed. In a college development the rules of simplicity and directness must be observed.

The Rock Garden is planned as a separate unit. All of the material used is hardy ans adaptable to the region and requires a minimum of maintenance. Evergreen shrubs and low mat-like planta are used as backgrounds and frames for delicate colors in perennials. The rocks would remain as they are with minor changes of position; and if necessary for securing an effect at the Old Main, emdre rocks could be set in the ground. The Rhododendron used tolerates lime and should thrive under the consitions imposed.

In the tree groupings native species predominate in order to make certain hardiness and ease of maintenance. The placing of a majority of oaks will in time give an effect of age and naturalness to the area which the more short lived and fragile Norway maples do not suggest. Fall color in the trees arranged would be gorgeous, with the more glowing colors enframed among those of duller hue like the beech.

At the entrance I have used box barberry and dwarf yew The yew will nor grow out of scale with the entrance - as has some of the present deciduous shrubs and evergreens.

Picea alba placed in the open will provide a better tree for holiday decoration than the Norway Spruce now annually appropriated to that purpose.

....

I cannot emphasize too much the speed with which the front campus is losing its beauty. In place of haphazard replacing of the Norway Maples as they die out, a landscape design of the right type should be adopted and a consistent order of planting should ensue.

The Penn State Amphitheatre.

An outdoor theatre of the modern type is a necessity for Penn State. Besides holding outdoor vesper services for the summer school students, the college also encourages such organizations as the Thespians, the Penn State Players, and the producing of Commencement and English Department plays. Most types of plays are greatly enhanced in effect and given a distinctive atmosphere by being staged in a naturalistic setting such as can be provided on the site of the present theatre with slight financial outlay.

A glance at the present condition of the theatre will prove that it has not benn developed nor maintained properly. Withe the changes here suggested and proper maintenance, there is no reason why thw outdoor theatre cannot be made a credit to the college.

The existing grades of the seating section of the amphitheatre are not conducive to comfort or to proper handling of crowds. According to the suggested plans, the seats can be arranged on a succession of tiers, with steep, well-planted banks to take up the difference in elevation from one terrace to another. The slopes can be so designed that the center of interest on the atage is visible to everyone in the audience. The improved plant leaves no place for the objectionable stone monument- an eyesore which should be placed in the geology museum.

Aisles at either side of the theatre will insure quick seating and exit. Even with the aisles cut through, the use of all of the seating space will increase the seating capacity almost thirty per cent.

Masses of flowering shrubs will almost entirely enclose the bowl in order to separate the area and hide distracting views. A screen is especially needed along the atreet side of the theatre. Withe the widenihg of the stage and the provision of well placed entrances and exits, any type of play can be presented.

Under the present system the lighting is entirely from above by lights suspended on a wire strung from the red Birch totthe pole. The resulting glare is entirely too severe for comfort. According totthe suggested plan, the lights can be concealed from the audience by placing them at the rim of the atage behind the bank cover of Evonymous radicans vegetus, which will rise above the level of the atage.

There will bw two entrances on either side of the atage directly communicating with the passage totthe dressing tents. The back stage area can be screened anf the skyline made more apirited by the mass planting of hemlock and other evergreens on either side of the arch. In the back-stage area there is a shrub enclosed apace on either side of the main axis in which the dressing tents can be erected.

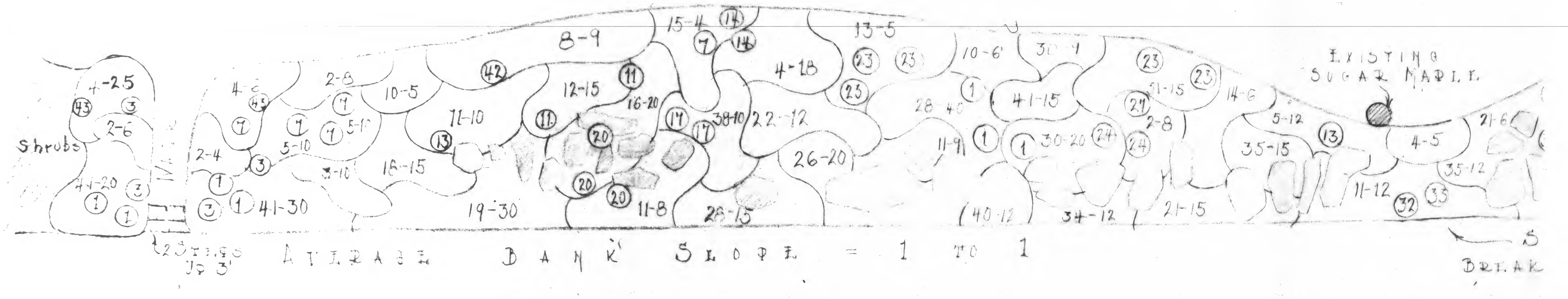
The outdoor theatre, improved and popularized in some such manner as here suggested, can very well become the stimulus which will awaken interest in the whole problem of campus improvement.

List of Plants for the Rock Garden.

Key Number	Scientific Name	Quantity
1	Juniperus horizontalis	13
2	Iris cristata	64
3	Taxus baccata repandens	5
4	Mahonia aquifolium	42
5	Arctostaphyllos uva-ursi	37
6	Blank_ Fill in if needed.	
7	Pinus montana mughus	5
8	Cornus canadensis	9
9	Blank	
10	Hypericum Moserianum	13
11	Hedera helix conglomerata	50
12	Calluna vulgaris alba	15
13	Robinia hispida	16
14	Chamaecyparia obtusa nana	2
15	Cornus alba flavirmea	4
16	Saxifrage virginiensis	25
17	Yucca filamentosa	4
18	Cerastium tomentosum	33
19	Phlox subulata	30
20	Cotoneaster horizontalis	3
21	Sedum spectabilis	41
22	Anemone japonica	10
23	Rhododendron furrugineum (Lime tolerator)	8
24	Juniperus sabina	11
25	Viburnum opulus nanum	1

Key Number	Scientific Name	Quantity
26	Viola cornuta	20
27	Juniperus sabina tamariscifolia	2
28	Pachistima canbyii	25
29	Calluna vulgaris aurea.	64
30	Daphne cneoreum	39
31	Vaccinium galacifolia	25
32	Taxus cuspidata nana	5
33	" " brevifolia	4
34	Alyssum saxitale	27
35	Erica carnea	27
36	Rosa wichuriana	7
37	Silene Pennsylvania	10
38	Ajuga metallica crispa	23
39	Asplenum trichomeses	18
40	Gaylussacia Brachyiera.	12
41	Potentilla tridentata	38
42	Malus Sargentii	4.

C A M P



LANDSCAPE ARCHITECTURE 13.
DEPT. OF LANDSCAPE ARCH.
PENNA. STATE COLLEGE
MAY 1926.

R O A D W

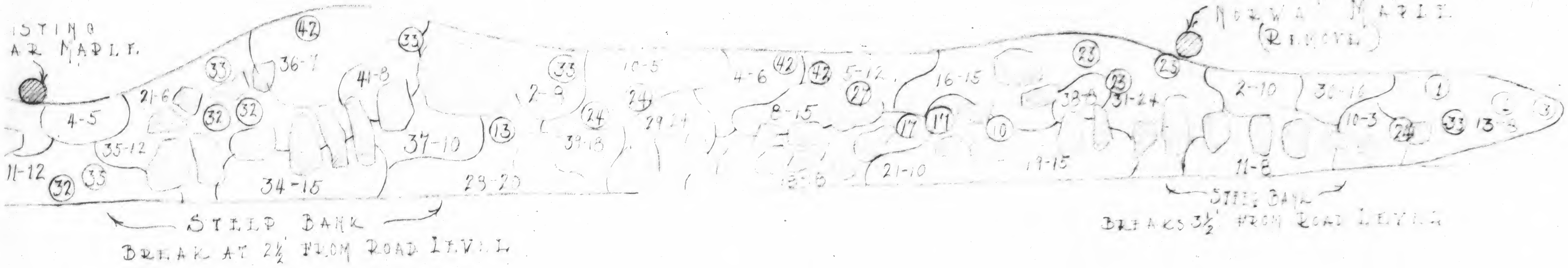
S C A L E 1"

P R O P O S E D P L A N T

FOR THE

C A M P U S D O C

POS



WAY —

THESIS PROBLEM
SUBMITTED BY:—

G. A. Righter

LE 1" = 5'-0"

LEGEND:

Existing Rocks — ⬭

Existing Trees — ▨

Note: For List of Q[illegible]
and Sizes Refer to [illegible] List

NTING PLAN

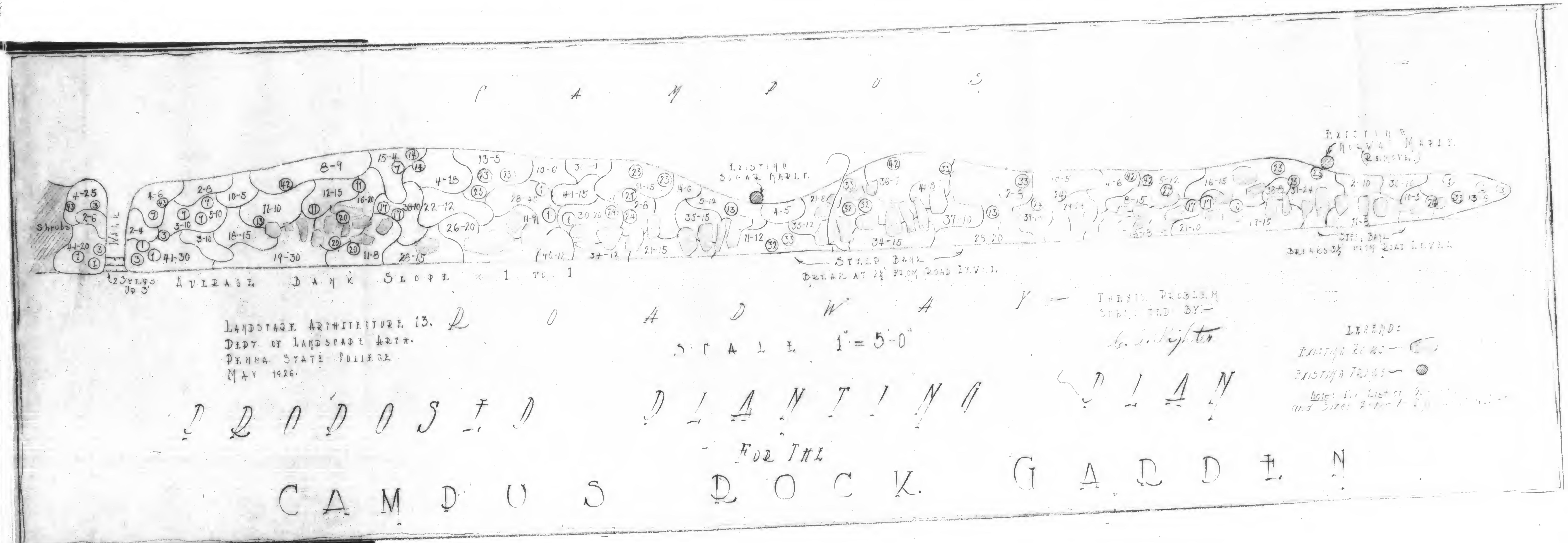
FOR THE

OCK GARDEN

REDUCTION

CHANGE

10 X TO 20 X


CAMPUS
Shrubs
WALK
2 Steps Up 3'
Existing Sugar Maple
Existing Norway Maple (Remove)
Steep Bank Break at 2½' from Road Level
Steep Bank Breaks 3½' from Road Level
Average Bank Slope = 1 to 1
ROADWAY
Landscape Architecture 13.
Dept. of Landscape Arch.
Penna. State College
May 1926.
Scale 1" = 5'-0"
Thesis Problem Submitted by:-
Legend:
Existing Rocks —
Existing Trees —
Note:
PROPOSED PLANTING PLAN
FOR THE
CAMPUS ROCK GARDEN

Tree List for General Planting Plan.

Key No.	Scientific Name	Common Name	Quantity.
A	Tilia Americana	American Linden	3
B	Liriodendron tulipifera	Tulip Poplar	8
C	Tilia cordata	European Linden	8
D	Picea alba	White Spruce	4
E	Tsuga caroliniana	Carolina Hemlock	1
F	Aesculus hippocastanum	Horsechestnut	3
G	Quercus palustris	Pin Oak	1
H	" coccinea	Scarlet Oak	7
I	Celtis Occidentalis	Celtis	5
J	Fagus sylvatica	Beech	3
K	Quercus macrocarpa	Mossy cup Oak.	6
L	Quercus rubra	Red Oak	21
M	Tilia heterophylla	Silver Linden	6
N	Fraxinus Americana	American Ash	5
O	Ulmus Americana	American Elm	122
P	Quercus laurifolia	Laurel Oak	1
Q	Gleditsia tricanthos	Honey Locust	3
R	Abies Nordmanniana	Nordman's Fir.	2
S	Pinus sylvestris	Scotch Pine	3
T	Aesculus glabra	Ohio Buckeye	3
U	Acer saccharum	Sugar Maple	1
V	Quercus bicolor	Swamp White Oak	4
W	Acer rubrum	Red Maple	2
X	Fraxinus excelsior	European Ash	3
Y	Pseudotsuga taxifolia	False Hemlock	9
Z	Abies concolor	Concolor Fir	4.

Shrubs and Small Flowering Trees.

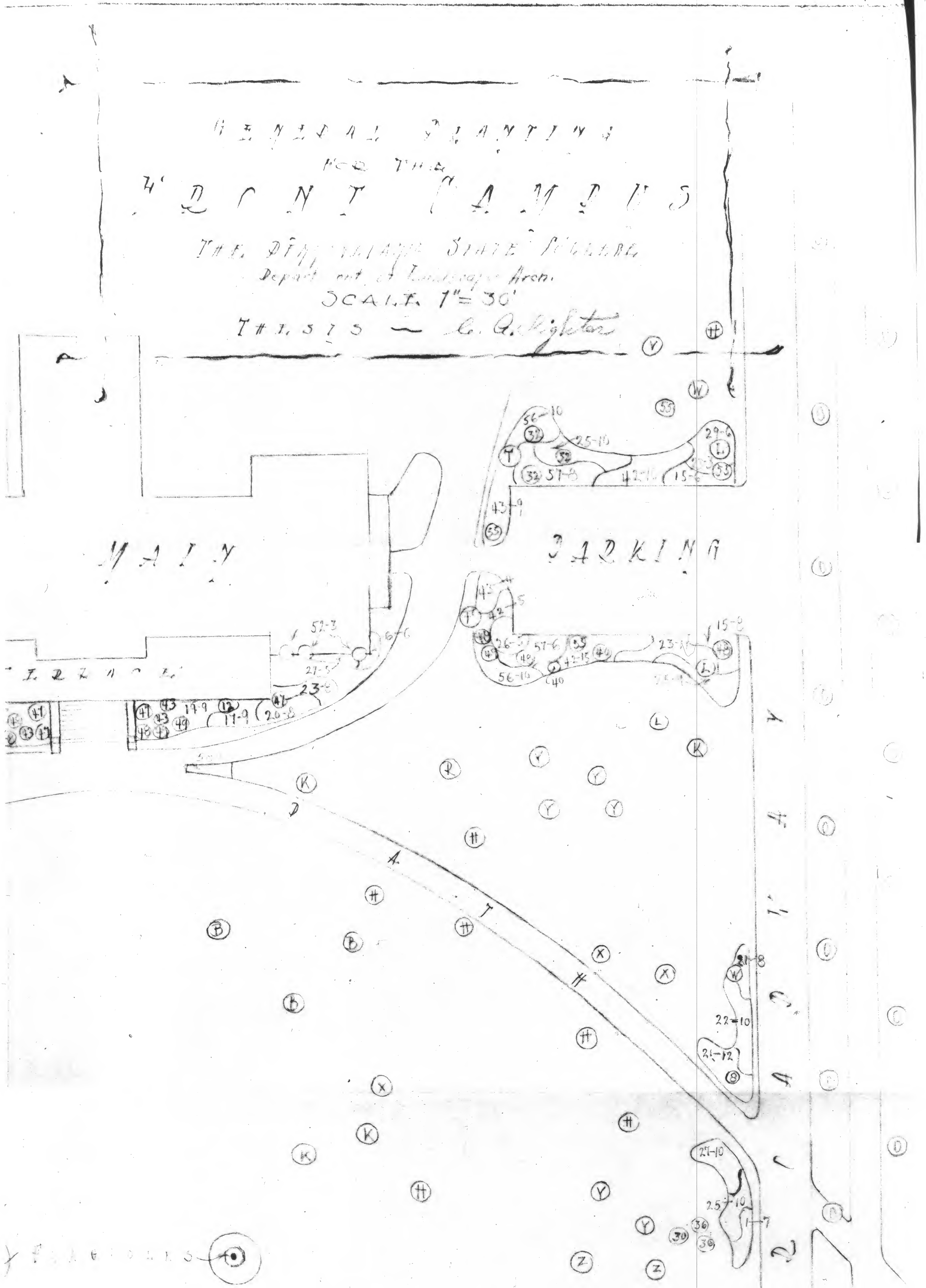
Key No.	Scientific Name	Common Name	Quantity
1	Berberis thunbergii	Japanese Barberry	71
2	Symphoricarpos orbiculatus	Snowberry	33
3	" vulgaris	Coral Berry	19
4	Iris germanica	German Iris	32
5	Cornus florida alba	White Dogwood	2
6	Kerria japonica	Kerria	21
7	Crataegus mollis	Hawthorn	3
8	" oxy. Paulii	English Red Hawthorne	6
9	Viburnum carlesi	Fragrant Viburnum	29
10	Cornus florida rubra	Red Dogwood	2
11	Crataegus crusgalli	Cockspur Thorn.	3
12	Malus spectabilis	Flowering Crab	9
13	Viburnum Opulus	Viburnum	32
14	" tomentosum	Doublefile Viburnum.	43
15	" cassinoides	Withe Rod	39
16	Ilex verticillata	Ilex	24
17	Viburnum dentatum	Arrowwood	44
18	Forsythia fortunei	Fortune Goldenbell	17
19	Cornus stolonifera	Stolonifera dogwood	19
20	Cornus mas	Cornelian Cherry	30
21	Rhodotypus kerroides	White Kerria	48
22	Rosa hugonis	Father Hugo's Rose.	24
23	Cornus alba sibirica	Red Osier	44
24	Cornus alba flavirmea	Yellow Twig Osier.	27
25	Acanthopanax pntaphylla	Aralia	78
26	Philadelphus lem oinei	Philadelphus- Mock Orange	10
27	Ribes aureum	Flowering Currant	52

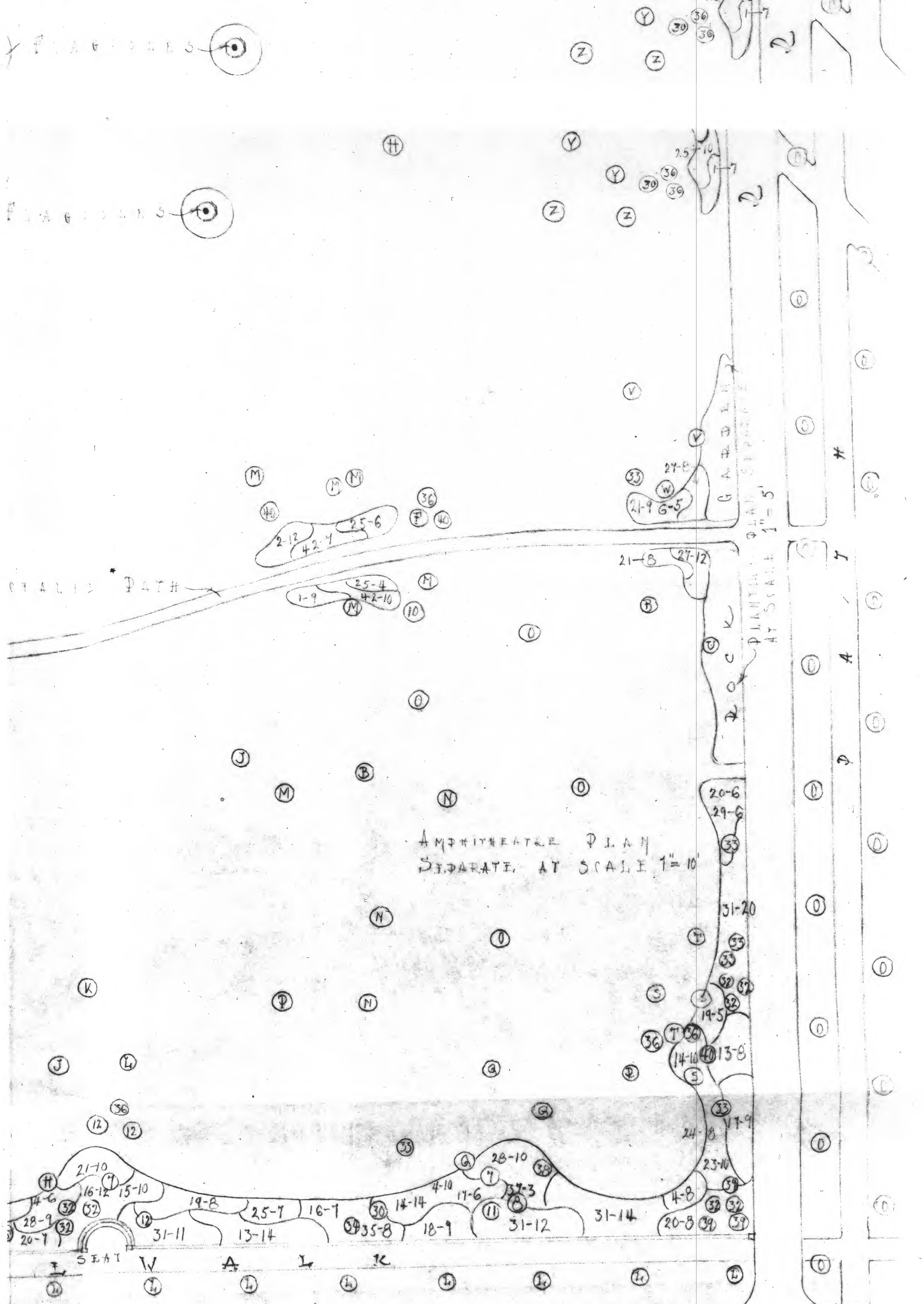
Key No,	Scientific name	Common Name	Quantity
28	Lonicera Morrowii	Morrow Honeysuckle	19
29	" fragrantissima	Fragrant "	43
30	Cornus kousa	Japanese Dogwood	3
31	Aesculus parviflora	Dwarf Buckeye	35
32	Juniperus virginiana	Cedar	15
33	Sorbus acuparia	European Mt. Ash	9
34	Cornus alternifolia	Alternate Dogwood	1
35	Ligustrum ibota	Ibota Privet	8
36	Cercis chinensis	Chinese Red Bud	7
37	Caragana arborescens	Siberian Pea	3
38	Halesia tretraptera	Silver Bell	5
39	Taxus cuspidata	Yew	5
40	Cercis canadensis	Ameriean Red Bud	6
	(41 blank)		
42	Ilex glabra	Inkberry	57
43	Taxus canadensis	Ground Hemlock	26
44	Juniperus Pfitzeriana	Pfitzer's Juniper.	13
45	Mahonis aquifolium	Mahonia	10
46	Syringa persica	Lilac - Persian	18
47	Retinospora squarrosa	Silver Retinospora	5
48	" obtusa	Cypress	6
49	" filifera	Thread Cypress	4
50	Viburnum canbyii	Canbyii Viburnum	6
51	Tsuga canadensis	Hemlock	11
52	Ampelopsis quinquefolia	Boston Ivy	3
53	Taxus cuspidata brevifolia	Dwarf Yew	4
54	Magnolia Kobus	Magnolia	2

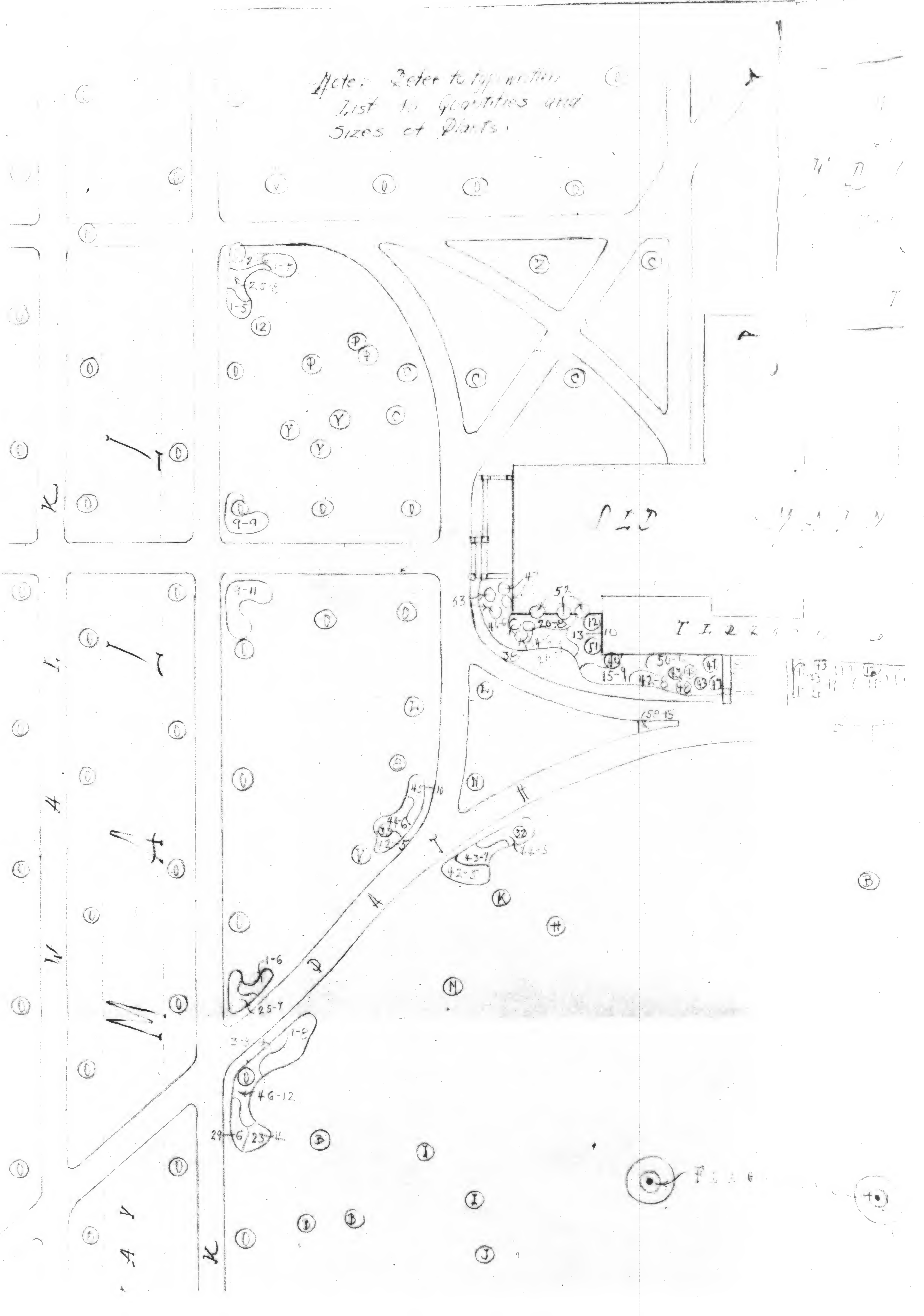
Key No.	Scientific Name	Common name	Quantity
55	Crataegus cordata	Washington Thorn	4
56	Ilex crenata	Holly	20
57	Ligustrum vulgaris	Common Privet	14.
58	Berberis thunbergii minor	Box Barberry	640.

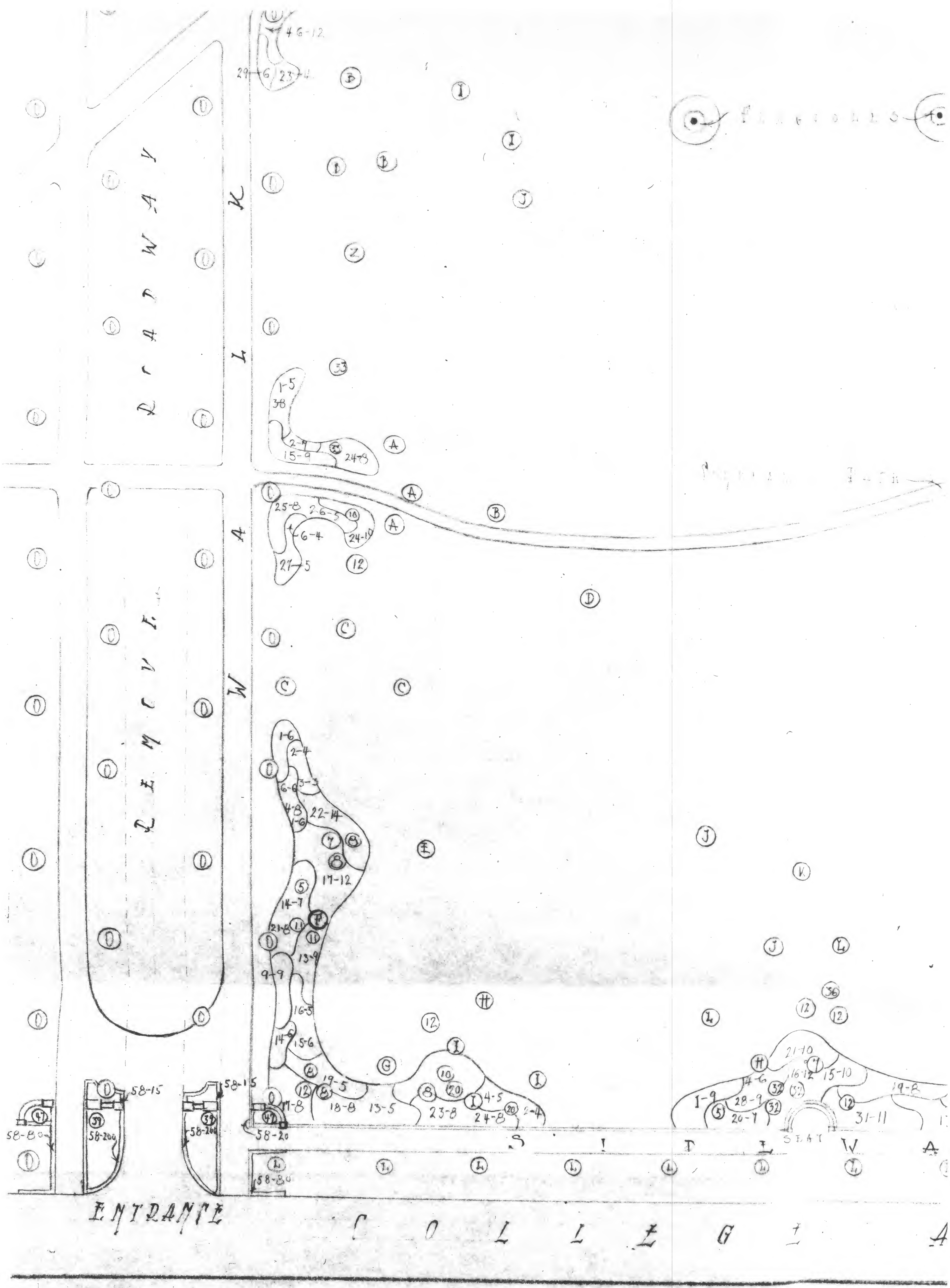
NOTE: Plants for amphitheatre and rock garden areas attached to the respective plans.

GENERAL PLANTING
FOR THE
FRONT CAMPUS
THE MISSISSIPPI STATE COLLEGE
Department of Landscape Arch.
SCALE 1" = 30'
THESIS — C. A. Lighter




FLAGPOLES
FLAGPOLES
PATH
AMPHITHEATRE PLAN
SEPARATE AT SCALE 1"=10'
ROCK GARDEN
PLANTING PLAN
AT SCALE 1"=5'
SEAT
WALK
AVENUE

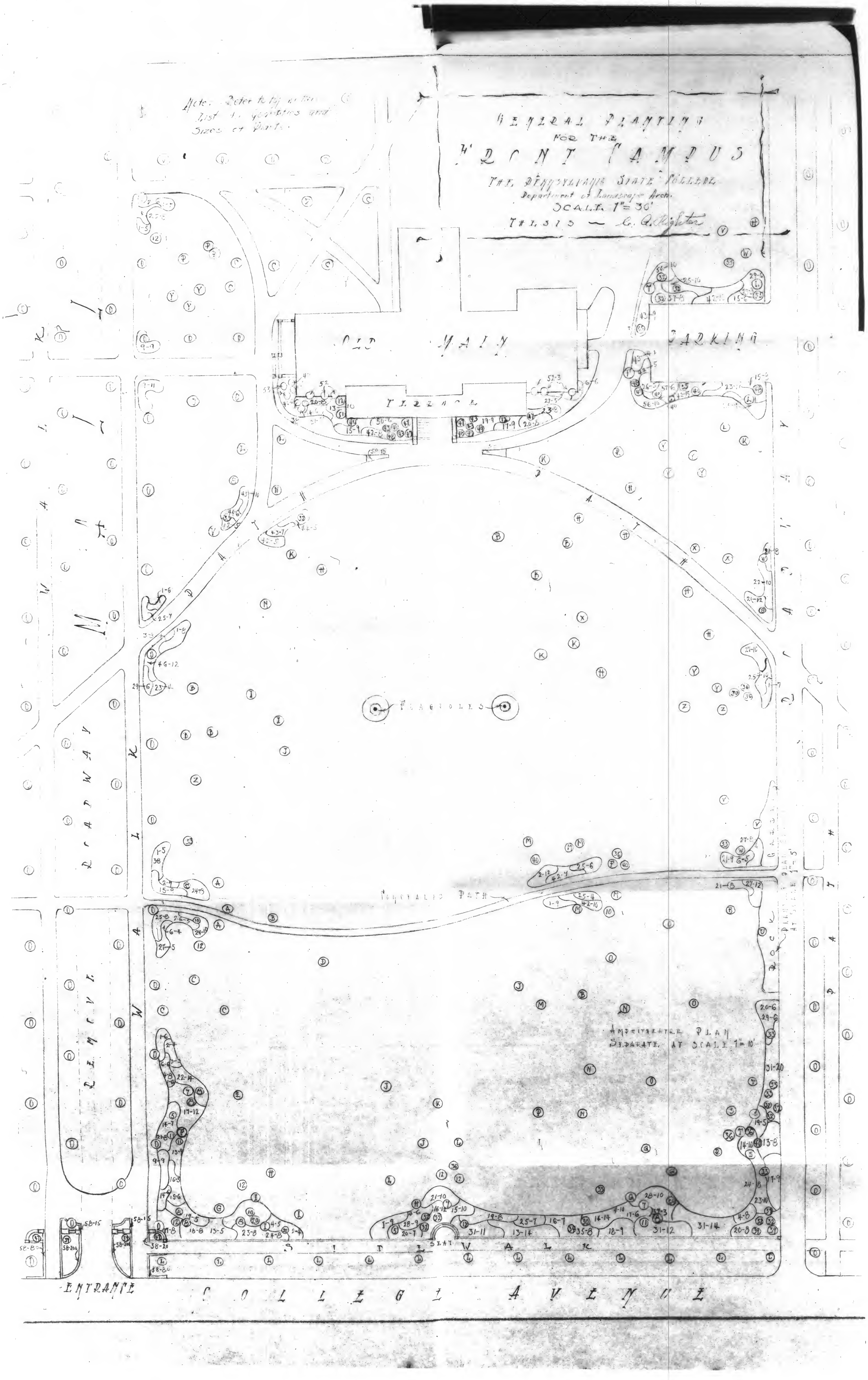

Note: Refer to typewritten List to Quantities and Sizes of Plants.


ROADWAY
WALK
REMOVE
FLAGPOLES
PATH
SIDEWA
SEAT
ENTRANCE
COLLEGE A
46-12
29-6
23-4
1-5
38
33
2-9
15-9
24-8
25-8
26-5
6-4
24-10
27-5
1-6
2-4
6-6
3-3
4-8
1-6
22-14
17-12
14-7
21-8
13-9
9-9
16-5
14-6
15-6
19-5
17-8
18-8
13-5
23-8
4-5
24-8
2-4
21-10
16-12
15-10
19-8
1-9
4-6
28-9
20-7
31-11
58-15
58-15
58-200
58-200
58-80
58-20
58-80

REDUCTION

CHANGE

10 X TO 20 X


GENERAL PLANTING
FOR THE
FRONT CAMPUS
THE PENNSYLVANIA STATE COLLEGE
Department of Landscape Arch.
SCALE 1" = 30'
THESIS — C. A. Righter
Note: Refer to figure in the list for quantities and sizes of plants.
OLD MAIN
TERRACE
PARKING
MALL
MALL WALK
PARKWAY
REMOVE
FLAGPOLES
FLAGPOLES PATH
AMPHITHEATRE PLAN SEPARATE AT SCALE 1" = 10'
SEAT
SIDEWALK
ENTRANCE
COLLEGE AVENUE

End of Title